Conjugated, rod-like viologen oligomers: correlation of oligomer length with conductivity and photoconductivity

Supplementary Data

Conjugated, Rod-Like Viologen Oligomers: Correlation of Oligomer Length with Conductivity and Photoconductivity

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Table S1: Conditions for spin-coating.

	Concentration, mg mL^{-1}	Speed, rpm	Time of spin-coating, s
Compound **1**	22	1500	41
Compound **2**	38	3500	41
Compound **3**	21	3500	41

^{1}H and ^{13}C NMR spectra

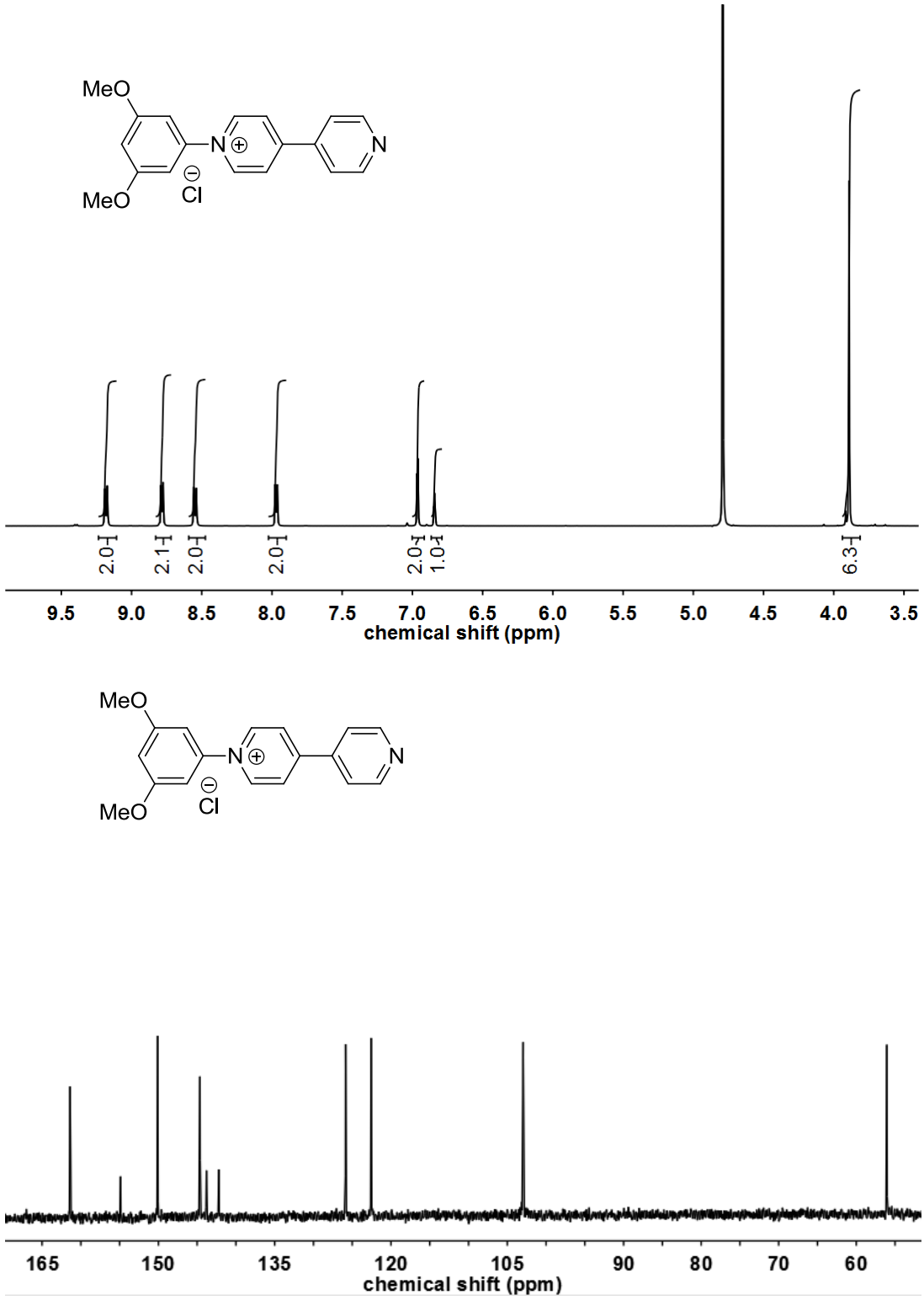


Figure S1. ^{1}H and ^{13}C NMR spectra (in D_2O) of compound **8**

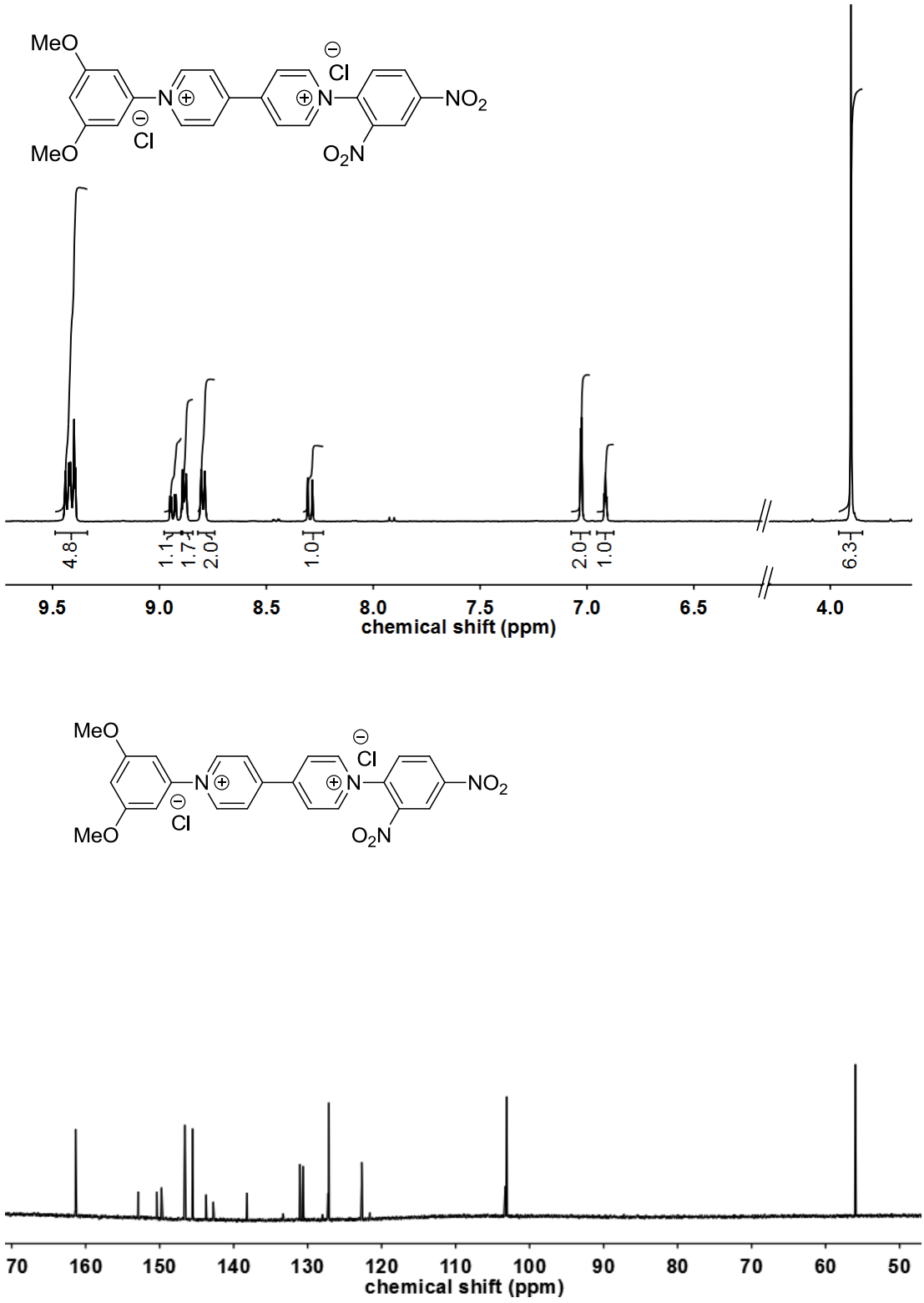


Figure S2. ^{1}H and ^{13}C NMR spectra (in D_2O) of compound **10**

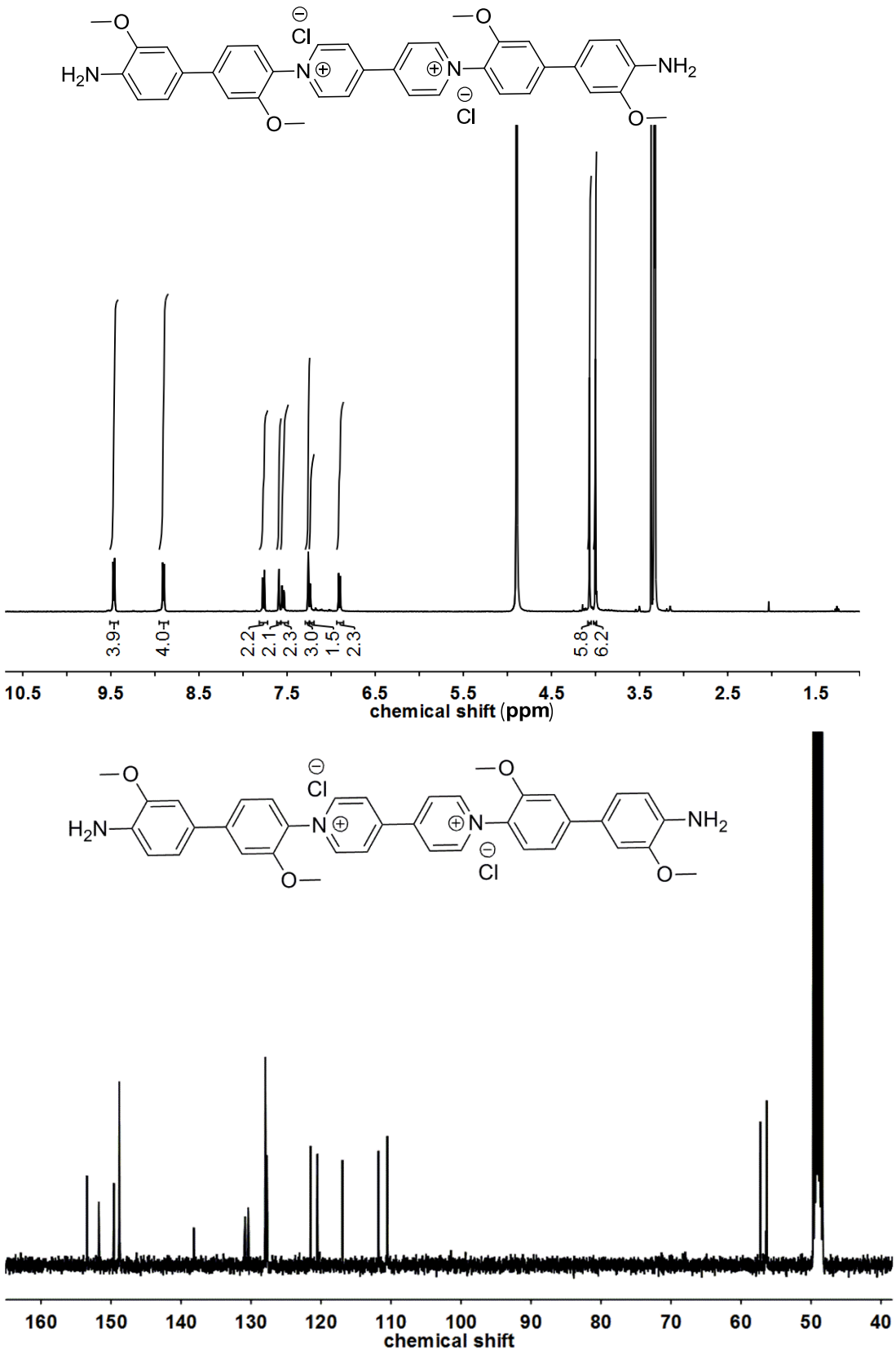


Figure S3. ^{1}H and ^{13}C NMR spectra (in CD_3OD) of compound **13**

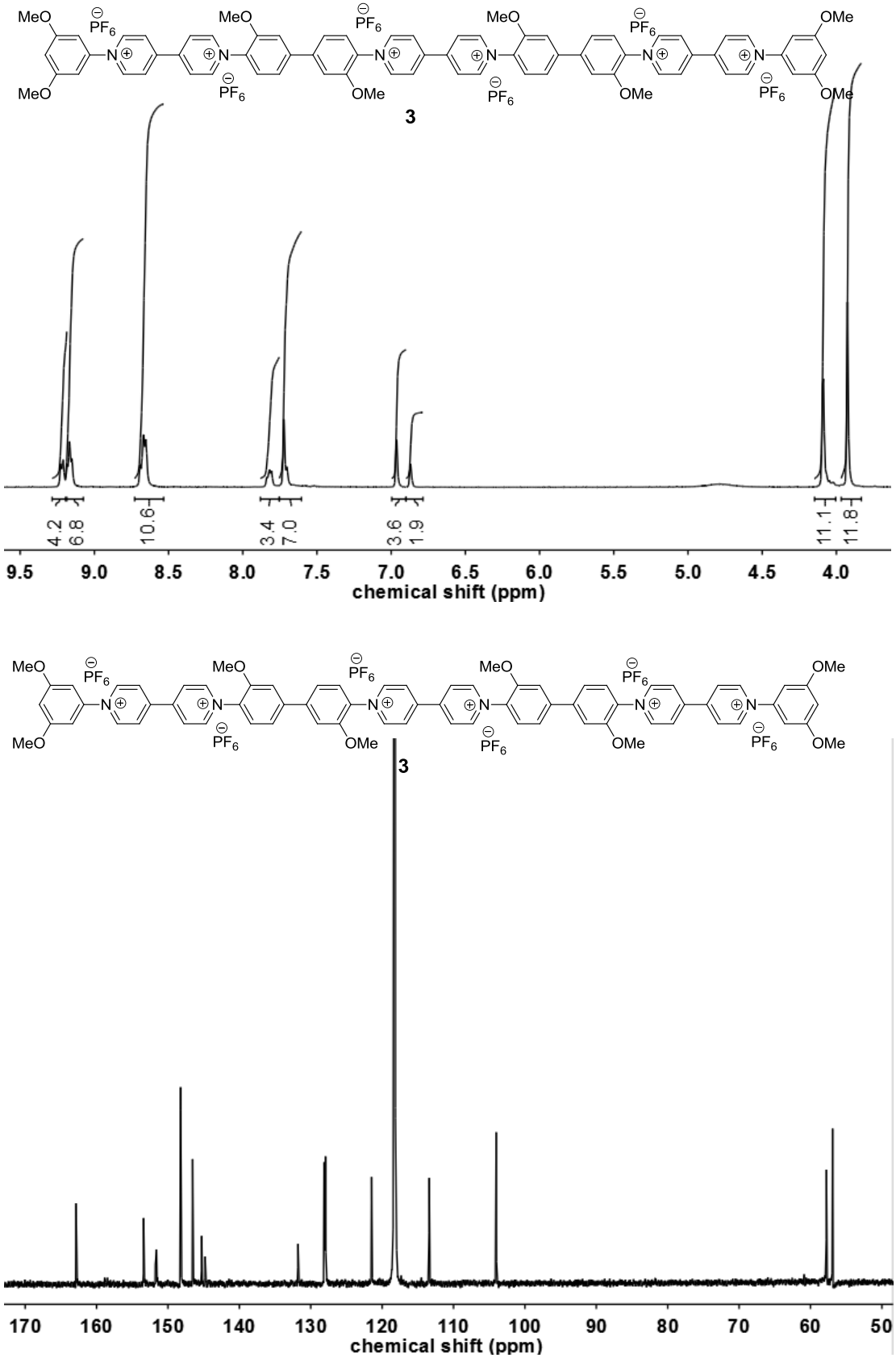
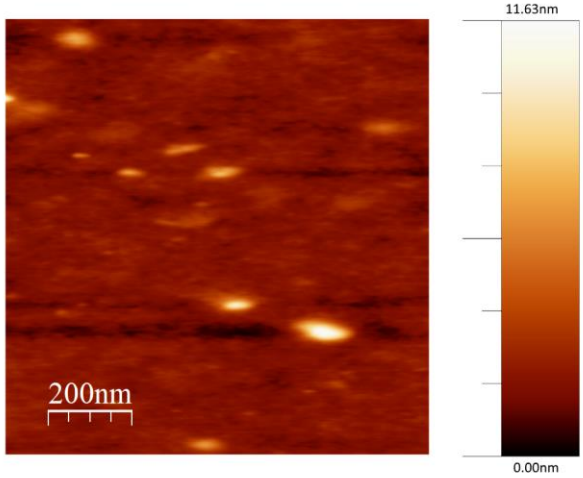
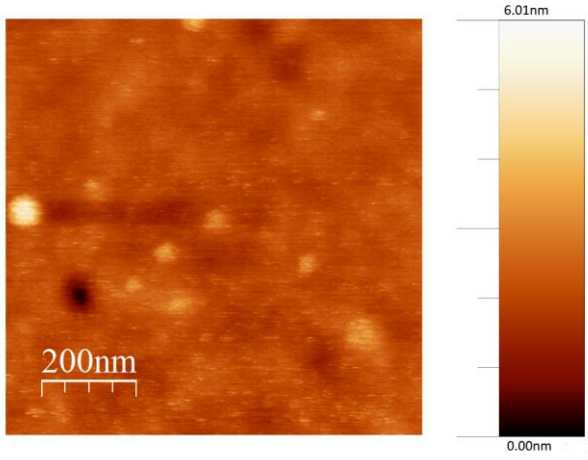


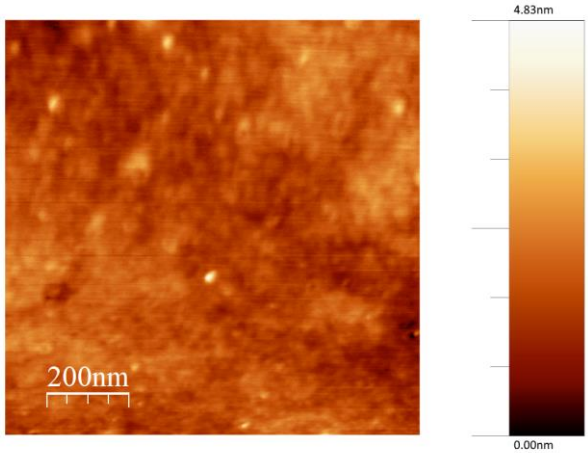
Figure S4. ^{1}H and ^{13}C NMR spectra (in CD_3OD) of compound **3**



(a)



(b)



(c)

Figure S5: The representative images of tapping mode AFM topograph of the films of **1** (a), **2** (b) and **3** (c) made in tapping mode. The scale bars on the right demonstrate the films are relatively smooth. No particular features that would suggest crystallization are observed.